

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("6377304").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/12 11:17
S1	42	murata-takahiko.in.	US-PGPUB; USPAT	AND	ON	2007/03/08 16:04
S2	3	yamaguti-takumi.in.	US-PGPUB; USPAT	AND	ON	2007/03/12 11:17
S3	40	fujii-toshiya.in.	US-PGPUB; USPAT	AND	ON	2007/03/08 16:05
S4	16	kasuga-shigetaka.in.	US-PGPUB; USPAT	AND	ON	2007/03/08 16:05
S5	83	S1 or S2 or S3 or S4	US-PGPUB; USPAT	AND	ON	2007/03/08 16:06
S6	0	S5 and "vertically.clm"	US-PGPUB; USPAT	AND	ON	2007/03/08 16:06
S7	0	S5 and "vertically.clm"	US-PGPUB; USPAT	AND	ON	2007/03/08 16:06
S8	7	S5 and vertically.clm.	US-PGPUB; USPAT	AND	ON	2007/03/08 16:44
S9	160	348/324	US-PGPUB; USPAT	AND	ON	2007/03/08 16:44
S10	1	("20060061889").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/09 10:15
S11	1	("6765236").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/09 10:21
S12	64	(348/324).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 10:33
S13	53	(348/323).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 10:34
S14	50	S13 not S12	US-PGPUB; USPAT	AND	ON	2007/03/09 10:42
S15	166	(348/322).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 10:42
S16	155	S15 not (S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 11:14
S17	42	(348/321).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 11:15
S18	30	S17 not (S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 11:22
S19	91	(348/320).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 11:22
S20	68	S19 not (S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 11:31

## EAST Search History

S21	91	(348/319).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 11:31
S22	61	S21 not (S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 11:39
S23	154	(348/317).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 11:39
S24	108	S23 not (S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 11:53
S25	114	(348/316).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 11:53
S26	0	S23 not (S23 or S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 11:53
S27	76	S25 not (S23 or S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 12:19
S28	138	(348/315).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 12:05
S29	98	S28 not (S25 or S23 or S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 12:18
S30	351	(348/312).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 12:19
S31	432	(348/311).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 12:19
S32	353	S31 not (S28 or S25 or S23 or S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 12:49
S33	134	(348/304).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 12:49
S34	118	S33 not (S31 or S28 or S25 or S23 or S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 13:14
S35	118	(348/303).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 13:14
S36	85	S35 not (S33 or S31 or S28 or S25 or S23 or S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 13:24
S37	115	(348/202).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 13:24
S38	114	S37 not (S35 or S33 or S31 or S28 or S25 or S23 or S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 13:24
S39	448	(348/302).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 13:24
S40	376	S39 not (S35 or S33 or S31 or S28 or S25 or S23 or S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 14:04

## EAST Search History

S41	306	S40 and @ad<"20030128"	US-PGPUB; USPAT	AND	ON	2007/03/09 14:04
S42	79	(348/295).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 14:04
S43	0	S39 not (S39 or S35 or S33 or S31 or S28 or S25 or S23 or S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 14:04
S44	64	S42 not (S39 or S35 or S33 or S31 or S28 or S25 or S23 or S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/10 13:09
S45	777	(348/294).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 14:18
S46	648	S45 not (S42 or S39 or S35 or S33 or S31 or S28 or S25 or S23 or S21 or S19 or S17 or S15 or S13 or S12)	US-PGPUB; USPAT	AND	ON	2007/03/09 14:20
S47	398	S46 and @ad<"20030128"	US-PGPUB; USPAT	AND	ON	2007/03/09 14:20
S48	128	S47 and color	US-PGPUB; USPAT	AND	ON	2007/03/09 14:20
S49	227	S46 and color	US-PGPUB; USPAT	AND	ON	2007/03/09 14:49
S50	69418	("348").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/03/09 14:49
S51	8	S50 and (charges adj3 output adj2 sequential\$3)	US-PGPUB; USPAT	AND	ON	2007/03/09 14:53
S52	78	S50 and ("same color") with sequential\$3	US-PGPUB; USPAT	AND	ON	2007/03/10 12:19
S53	1	("7148927").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/09 14:55
S54	3	("5018006"   "6512546"   "6570615").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/03/09 14:55
S55	3	("5018006"   "6512546"   "6570615").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/03/09 15:04
S56	331	(348/272).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 12:23
S57	192	S56 and @ad<"20030128"	US-PGPUB; USPAT	AND	ON	2007/03/10 13:09
S58	139	S56 not S57	US-PGPUB; USPAT	AND	ON	2007/03/10 13:09
S59	64	(348/324).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09

## EAST Search History

S60	53	(348/323).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S61	166	(348/322).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S62	42	(348/321).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S63	91	(348/320).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S64	91	(348/319).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S65	154	(348/317).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S66	114	(348/316).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S67	138	(348/315).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S68	432	(348/311).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S69	134	(348/304).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S70	118	(348/303).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S71	448	(348/302).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S72	79	(348/295).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:09
S73	138	S58 not (S72 or S71 or S70 or S69 or S68 or S67 or S66 or S65 or S64 or S63 or S62 or S61 or S60 or S59)	US-PGPUB; USPAT	AND	ON	2007/03/10 13:27
S74	372	(348/273).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 13:27
S75	304	S74 not (S56 or S72 or S71 or S70 or S69 or S68 or S67 or S66 or S65 or S64 or S63 or S62 or S61 or S60 or S59)	US-PGPUB; USPAT	AND	ON	2007/03/10 13:28
S76	263	S75 and @ad<"20030129"	US-PGPUB; USPAT	AND	ON	2007/03/10 14:08
S77	36	(348/281).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 14:08
S78	0	S76 not (S56 or S74)	US-PGPUB; USPAT	AND	ON	2007/03/10 14:09
S79	30	S77 not (S56 or S74)	US-PGPUB; USPAT	AND	ON	2007/03/10 14:14

## EAST Search History

S80	38	(348/283).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/10 14:14
S81	34	S80 not (S77 or S56 or S74)	US-PGPUB; USPAT	AND	ON	2007/03/10 14:32
S82	1	("6124888").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/10 14:33
S83	1	("6377304").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/10 14:35
S84	1	("6992714").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/10 14:37
S85	1	("20060007353").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/10 14:38
S86	1	("20020191104").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/10 14:38